



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 27]

नई दिल्ली, शनिवार, जुलाई 7, 1990 (आषाढ 16, 1912)

No. 27]

NEW DELHI, SATURDAY, JULY 7, 1990 (ASADHA 16, 1912)

इस भाग में भिन्न पुष्ट संख्या दी जाती है जिससे कि यह आलग संकेतन के रूप में रखा जा सके।  
 [Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
 [Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

## THE PATENT OFFICE

## PATENTS AND DESIGNS

Calcutta, the 30th June 1990

ADDRESS AND JURISDICTION OF OFFICES OF THE  
PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below:—

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Lower Parel (West),  
Bombay-400 013.

The States of Gujarat, Maharashtra, Madhya Pradesh and Goa,  
the Union Territories of Daman and Diu and Dadra and Nagar  
Haveli.

Telegraphic address "PATOFFICE"

Patent Office Branch,  
Unit No. 401 to 405, III floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir,  
Punjab, Rajasthan and Uttar Pradesh and the Union Territories of  
Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu,  
and the Union Territories of Pondicherry, Laccadive, Minicoy and  
Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office)  
"NIZAM PALACE", 2nd M.S.O. Bldg.,  
5th, 6th and 7th floor,  
234/4, Acharya Jagdish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

All applications, notices, statements or other documents or any  
fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be  
received only at the appropriate Offices of the Patent Office.

**Fees** :—The fees may either be paid in cash or may be sent by  
Money Order or Postal Order, payable to the Controller at the  
appropriate Offices or by Bank Draft or Cheque, payable to the  
Controller drawn on a scheduled bank at the place where the  
appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 7 जुलाई 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा अम्बई, दिल्ली एवं मद्रास में बसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परेज (पश्चिम)  
अम्बई-400 013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ,  
दमन तथा विवरण एवं दादरा और नागर हवेली।

तार पता—“पेटेंटफिस”

पेटेंट कार्यालय शाखा,  
झकाई सं० 401 से 405, तीसरा तल,  
नारपालिका भाजार मवन,  
सरस्वती मार्ग, करोल आग,  
नई दिल्ली-110 005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा  
उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र घंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,  
61, वालाजाह रोड,  
मद्रास-600 002।

आश्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप, मिनिर्काय तथा एमिनिदिवि द्वीप।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, दिल्लीय बहुसंघीय कार्यालय  
मवन 5, 6 तथा 7वाँ तल,  
234/4, आचार्य जाकीश बोस रोड,  
कलकत्ता-700 020।

मरत का अवशेष क्षेत्र

तार पता—“पेटेंटस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी  
आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रत्येक पेटेंट कार्यालय के केवल  
उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क : —शुल्कों की अवायारी या हो नकार की जायारी उथवा उपयुक्त  
कार्यालय में नियंत्रक को सुगतान योग्य अनावेश उथवा छाक आवेदन या जहाँ  
उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसृत बैंक से नियंत्रक को  
सुगतान योग्य बैंक छाफट उथवा बैंक द्वारा की जा सकती है।

#### CORRIGENDUM

In the Gazette of India, Part-III, Section-2, dated the 19th May, 1990, in respect of Complete Specification No. 166466 include Class : 201-D; and Int. Class : C 21 b 13/00.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

The 23rd May, 1990

- 423/Cal/90. N.V. Philips' Glocilampenfabrieken. System for recording/reproducing signals on/from a magnetic tape in a cassette.
- 424/Cal/90. Hitachi Construction Machinery Co. Ltd. Valve Apparatus and Hydraulic Drive System.
- 425/Cal/90. Westinghouse Electric Corporation. Improvements in or Relating to Apparatus for Impact Testing for Electric Generator Stator Wedge Tightness.
- 426/Cal/90. Kerr-McGee Chemical Corporation. Electrically Conductive Pigmentary Composites and Method of Producing the same.
- 427/Cal/90. Luis Perez Barrenechea. Method of Manufacturing of Additives for Concrete from Natural by-Products derived from Sugar Cane.
- 428/Cal/90. Texaco Development Corporation. Conversion Increase of Vacuum Residuums.
- 429/Cal/90. American Cyanamid Co. A method of making organic amines Containing Hydroxy alkyl Carbamati groups. (Divisional dated September 26, 1988).
- 430/Cal/90. Reckitt & Colman of India Ltd. Spraying Device for Removing Dirt Patches on Fabrics.
- 431/Cal/90. Vossloh-Werke GMBH. Rail Fastening on Concrete Ties or the Like by means of Resilient Tension Clamps.
- 432/Cal/90. General Electric Company. Variable Voltage Control for an Electric Propulsion System.

The 25th May, 1990

433/Cal/90. Hoechst Aktiengesellschaft. Process for the preparation of vinyl acetate.

The 28th May, 1990

434/Cal/90. American Cyanamid Co. Chemiluminescent Lighting Element.

449/Cal/90. The Lubrizol Corporation. Improved Process for making substituted Carboxylic acids and derivatives thereof. [Divisional out of No. 802/Cal/88 date 26th September, 1988.]

435/Cal/90. American Cyanamid Co. Chemiluminescent Solution based on Substituted Perylene.

450/Cal/90. Lama Okovje, Furniture Hinge.

436/Cal/90. Leasing Aktiengesellschaft, Apparatus and Method for the Treatment of fibre-Cables.

The 29th May, 1990

437/Cal/90. Ram Prakash Aneja and National Diary Development Board. An Apparatus for Manufacturing Continuously 'KHOA' or Concentrated Milk solids Designated as DB Continuous KHOA Making Plant.

The 28th May, 1990

438/Cal/90. N.V. Philips' Gloeilampenfabrieken Digital Transmission System, Transmitter and Receiver for use in the Transmission System, and Record Carrier Obtained by means of the Transmitter in the form of a Recording Device. (Convention date 2nd June 1989 No. 8901402 and 13th February 1990 No. 9000338. Both are the Netherlands).

439/Cal/90. Etat Francais, Teledifusion de France S.A., and N.V. Philips' Gloeilampenfabrieken Digital Transmission System using Subband Coding of a Digital Signal. (Convention date 2nd June 1989 No. 89201408.5 in Europe.)

440/Cal/90. Schlumberger Industries, Inc., Laminated Semiconductor Sensor with Vibrating Element and Associated Method and Product.

441/Cal/90. Gerardus Antonius Maria Boots, Package for Transporting and Storing Bulk Goods.

442/Cal/90. BWG Butzbacher Weichenbau GmbH, Corrosion Frog Tip Adjustable Relative to the Wing Rails.

443/Cal/90. E.I. Du Pont De Nemours and Co. Union Carbide Chemicals & Plastics Co. Inc., Refrigeration Compositions and Process for Using.

444/Cal/90. E.I. Du Pont De Nemours and Co. Union Carbide Chemicals and Plastics Co. Inc., Compositions for Compression Refrigeration and Method of using them.

445/Cal/90. Proizvodstvennoe Obiedinenie "Elektrostal'tyazhmas" USSR, Working Stand of Cold Tube-Rolling Mill.

446/Cal/90. Boliden Allia, Inc., Apparatus and process for Direct Reduction of Materials in a Kiln.

447/Cal/90. Proizvodstvennoe Obiedinenie "Elektrostal'tyazhmas" USSR, Billet Clamping and Feeding Device of Cold Tuberolling Mill.

448/Cal/90. Minato Co. Ltd., The Green Cross Corporation, Isothiocyanate Vapor-Generating Agent, Germ-Destroying Treatment Method using Isothiocyanate Vapors and Apparatus Therefor.

449/Cal/90. The Lubrizol Corporation. Improved Process for making substituted Carboxylic acids and derivatives thereof. [Divisional out of No. 802/Cal/88 date 26th September, 1988.]

450/Cal/90. Lama Okovje, Furniture Hinge.

451/Cal/90. Hassan Uddin Faridi. Syasa foetida.

452/Cal/90. Inductotherm Corp. Induction Heating Apparatus and Method.

453/Cal/90. Hitachi Ltd., Variable-Speed Pumped-Storage System. [Divisional out of No. 339/Cal/87 date April 28th, 1987.]

454/Cal/90. E.I. Du Pont De Nemours and Co., PVP/PARAARAMID Fibers and Process for Making them.

455/Cal/90. Voest-Alpine Zeltweg Gesellschaft m.b.H, Device for Securing in Position Guide Rails.

The 30th May, 1990

456/Cal/90. Somendra Mohan Ghosh, An Apparatus for Causing Complete Combustion of Fuel in Internal Combustion Engines, while in Operation.

457/Cal/90. E.I. Du Pont De Nemours and Co., Cotton/Polyester Fiber Blends and Batts.

458/Cal/90. E.I. Du Pont De Nemours and Co., A Process for Preparing Poly(Paraphenyleno Terephthalamide) fibers Dyeable with Cationic Dyes.

459/Cal/90. Diaprint S.r.l., Electrochemical Graining of Aluminum or Aluminum Alloy Surfaces.

The 31st May, 1990

460/Cal/90. BWG Butzbacher Weichenbau GmbH. Device for the Locking of a Switch Blade with a stock Rail.

461/Cal/90. Proizvodstvennoe Obiedinenie "Elektrostal'tyazhmas" USSR, Drive for a Cold-Rolled Pipe Mill Stand.

462/Cal/90. Proizvodstvennoe Obiedinenie "Elektrostal'tyazhmas" USSR, Drive of a Cold Tube-Rolling Mill Stand.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-5

The 30th April, 1990

410/Del/90. Alcan International Ltd., "Shape casting in mouldable media". (Convention date 1st May, 1989) (Canada).

411/Del/90. Gec Alsthom S.A., "A single hp-Mp interhal stator for a steam turbine with controlled steam conditioning".

The 2nd May, 1990

- 412/Del/90. Glaverbel and Fosbel International Ltd, "Ceramic welding process and powder mixture for use in same" (Convention date 25th July, 1989) (U.K.).
- 413/Del/90. Exxon Chemical Patents, Inc, "dynamically vulcanized alloys having improved stiffness/impact balance".
- 414/Del/90. "Harrier" GmbH Gesellschaft fur den vertrieb medizinischer und technischer Geräte, "Emulgator-free liquid emulsion and method and device for producing the emulsion".
- 415/Del/90. Scapa Group PLC, "Jointing of fabric ends". (Convention date 13th May, 1989) (U.K.).

The 3rd May, 1990

- 416/Del/90. UOP, "Improved liquid/liquid catalytic sweetening process".
- 417/Del/90. Mobil Solar Energy Corporation, "System for continuously replenishing melt".
- 418/Del/90. Motorola Inc, "Frequency synthesizer with an interface controller and buffer memory".
- 419/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Thieno-triazolo-diazepine derivatives, a preparation process of the same and therapeutic compositions containing them". (Convention date 13th May, 1989) (U.K.)."
- 420/Del/90. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Preparation process of thienotriazolo-diazepine derivatives".

The 4th May, 1990

- 421/Cel/90. Shriram Institute for Industrial Research, "Terry towels".
- 422/Del/90. Bharat Heavy Electricals Ltd, "Coating continuous length with polyamide of uniform thickness."
- 423/Del/90. Joseph Thomas, "A process for the manufacture of rubber latex threads".
- 424/Del/90. Amoco Corporation, "Target and background capture methods and apparatus for affinity assays". [Divisional date 23rd October, 1987].
- 425/Del/90. Roderick I.L. Guthrie and Hidemasa Nakajima, "Single-use disposable molten metal inclusion sensor".
- 426/Del/90. Fu Tai Umbrella Works, Ltd., "Lightly-operating automatic umbrella for preventing false operation".
- 427/Del/90. De La Rue Girol S.A., "Intaglio printing machine for the printing of currency papers".
- 428/Del/90. Her Majesty The Queen As Represented by the Minister of National Defence of Her Majesty's Canadian Government, "Foamed nitroparaffin explosive composition".

The 7th May, 1990

- 429/Del/90. The Procter & Gamble Co, "Mebeverine dosage form".
- 430/Del/90. Drexler Technology Corporation, "Deuterium-lithium energy conversion cell".
- 431/Del/90. Drexler Technology Corporation, "Distributed accumulator for energy conversion".
- 432/Del/90. Jiri Dokoupil, "Process and equipment for the processing of soft, flexible and flat pieces of material".
- 433/Del/90. Motorola Inc, Self-tuning direct coupled data limiter of a battery saver type paging receiver".

The 8th May, 1990

- 434/Del/90. Council of Scientific & Industrial Research, "A process for the synthesis of N-glycyl, N-(L-alanyl-D-isoglutaminyl)-L-Lysyl-N-Alkyl amides possessing high immunostimulant activity".
- 435/Del/90. Council of Scientific & Industrial Research, "A process for making novel low silver brazing filler alloy for electronics and vacuum tube industries".
- 436/Del/90. Council of Scientific & Industrial Research, "An improved process for the production of electrolytic iron powder from sponge iron fines".
- 437/Del/90. Atlas Powder Co, "High emulsifier content explosives".
- 438/Del/90. Motorola Inc, "Centering multi-level data".
- 439/Del/90. The Procter & Gamble Co, "Coated perfume particles".
- 440/Del/90. The Procter & Gamble Co, "Perfume particles for use in cleaning and conditioning compositions".

The 10th May, 1990

- 441/Del/90. Motorola Inc, "Bit error rate detection".
- 442/Del/90. Motorola Inc, "Voltage control oscillator with automatic current control".
- 443/Del/90. Burlington Industries, Inc, "Cold weather garments". [Divisional date 18th May, 1987].
- 444/Del/90. M. Mitravaruna, "An expander for addressable memory of a central processing unit of a computer".
- 445/Del/90. Department of Electronics & Central Road Research Institute A device for measuring the roughness of a road surface".
- 446/Del/90. Department of Electronics & Central Road Research Institute A device for measuring the roughness of a road surface".
- 447/Del/90. Punjab Tractors Ltd, "A stationary baler".

The 11th May, 1990

The 11th May, 1990

- 448/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of a formulation/system based on suitable polymers useful for controlled release of pesticides in aquatic habitats".
- 449/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of compounds useful for the treatment of diseases effecting macrophages". [Divisional date 28th April, 1988].
- 450/Del/90. Nissan Chemical Industries Ltd., "Pyridazinone derivatives and compositions for controlling and/or preventing insect pests".
- 451/Del/90. Exxon Research & Engineering Co, "Method for spectroscopic analysis of hydrocarbons, and hydrocarbon refining operations using same".

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-2**

The 7th May, 1990

- 344/Mar/90. Fenwick Thomas & R. Ravi. Self Centering Steady.
- 345/Mar/90. R. Ravi. Hydraulic Bar Feeding attachment.
- 346/Mar/90. Dr. Nagendra Prasad Komarla Venugopal. A filter mask.
- 347/Mar/90. Foseco International Limited. Method and apparatus for the treatment of molten metals. (May 5, 1989; Great Britain).

The 8th May, 1990

- 348/Mar/90. Javvidi Murali. Flapping Time Q.
- 349/Mar/90. Cabot Corporation. Carbon black having a high specific surface area.
- 350/Mar/90. Agustin Garcia Crespo. Double mouth clip.
- 351/Mar/90. The Dow Chemical Company. Preventing crevice corrosion of titanium surfaces.

The 10th May, 1990

- 352/Mar/90. Ralph Mullenberg. Tapered clamping arrangement.
- 353/Mar/90. Bespak PLC. Pump apparatus for biomedical use. (May 11, 1989; Great Britain).
- 354/Mar/90. Establishments Easer, societe privee a responsabilite limitee. A method and a device for manufacturing a carpet with knotted stitches.
- 355/Mar/90. The Dow Chemical Company. Depression of the flotation of silica or siliceous gangue in mineral flotation.
- 356/Mar/90. The Dow Chemical Company. Alkylated diaryl oxide monosulfonate collectors useful in the flotation of minerals.

- 357/Mar/90. Puthenveetil Varkey George. A unit load elevating mechanism based on blanketing grip on slope.
- 358/Mar/90. K. Sundara Murthy. Device which enables vertical shaft kiln to produce quality cement clinker with slag coal as fuel.
- 359/Mar/90. Shell Internationale Research Maatschappij B.V. Process for the preparation of hydrocarbons. (May 15, 1989; Great Britain).
- 360/Mar/90. MAN Gutehoffnungshutte. A Caterpillar-mounted, self-propelled, continuously operating open-cast mining machine.
- 361/Mar/90. Mc Conway & Trolley Corporation. Slackless Drawbar.

**OPPOSITION PROCEEDINGS**

(1)

The Opposition entered by M/s. Union Carbide of India Ltd. to grant of a Patent on the application for Patent No. 165433 as notified in Gazette of India, Part III, Section 2 dated 14th October, 1989 is deemed to have not been launched and a patent has been ordered to be sealed on the application.

(2)

The application for Patent No. 151344 (392/Del/79) made by M/s. New Metal Foundries in respect of which Opposition was entered by the M/s. The Associated Cement Companies Ltd., as notified in Gazette of India, Part III, Section 2 dated the 2nd April, 1983 has been treated as withdrawn and no Patent shall be sealed thereon.

**PATENTS SEALED**

164028	165093	165229	165372	165380	165382	165386
165389	165410	165441	165443	165486	165488	165596

CAL— 8  
MAS— 6  
BOM—NIL  
DEL—NIL

**AMENDMENT PROCEEDINGS UNDER SECTION 57**

Notice is hereby given that the Santrade Limited, of P.O. Box 321, CH-6002, Luzern, Switzerland, have made an application under Section 57 of the Patents Act, 1970, for amendment of the specification of their application for Patent No. 165813 for "CEMENTED CARBIDE BODY USED PREFERABLY FOR ROCK DRILLING AND MINERAL CUTTING".

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendments may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office Branch, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filling the said Notice.

## RENEWAL FEES PAID

(2)

146212	146640	147164	147683	147715	148351	148632
148763	148887	148889	149459	150120	150523	150816
150817	150919	151033	151036	151086	151252	151319
151785	152007	152435	152600	152628	152648	152679
152793	153200	153241	153242	153301	153354	153625
153745	153779	153792	154069	154495	154625	154744
154752	154753	154789	154929	155209	155274	155303
156351	156368	156380	156425	156449	156558	156601
157112	157122	157123	157124	157125	157177	157299
157445	157471	157475	157476	157477	157565	157657
157709	157834	157868	157916	157935	157993	158005
158042	158254	158255	158366	158552	158588	158666
159132	159553	159758	159926	160088	160098	160100
160161	160165	160190	160279	160300	160551	160581
160756	160813	160815	160816	160827	160830	160944
160945	161128	161211	161487	161760	161845	161877
161949	162540	162624	162784	163060	163076	163186
163384	163388	163442	163464	163466	163474	163624
163650	163657	163671	163824	163902	163913	163914
163915	163917	164001	164004	164014	164035	164036
164038	164039	164103	164105	164109	164110	164172
164180	164279	164334	164415	164416	164460	164490
164549	164667	164859	165021	165041	165231	165322
165339	165377	165422.				

## CESSATION OF PATENTS

151829	151831	151832	151833	151839	151840	151846
151850	151851	151855	151856	151857	151863	151865
151870	151871	151878	151880	151881	151884	151886
151888	151897	151898	151899	151903	151906	151907
151910	151911	151912	151916	151918	151920	151921
151922	151925	151932	151933	151943	151952	151959
151960	151968	151971	151972	151978	151980	151981
149059	156192	157286	158315	161547	161870	162101
162271	163835	164173	164552.			

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163379 granted to Vickers Incorporated

for an invention relating to "fluid serve systems"

The patent ceased on the 3rd October, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5-5-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 7th Sept. 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163952 granted to Hybritech Incorporated

for an invention relating to "a process for making an improved device for use in a ligand receptor quick assay process".

The patent ceased on the 13th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 5-5-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 7th September, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164003 granted to Royal Ordnance PLC

for an invention relating to "riot Control Weapon"

The patent ceased on the 28th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 5-5-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 7th Sept. 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163840 granted to Shriram Institute for Industrial Research

for an invention relating to "a process for the preparation of dicetyl peroxy dicarbonate".

The patent ceased on the 8th December, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5-5-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 7th September, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161727 granted to SKF Kugellagerfabriken GmbH

for an invention relating to "mounting device for the bearing box of a spinning or twisting spindle bearing in the spindle rail of machine".

The patent ceased on the 7th May 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5-5-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 7th September 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148642 granted to Ferranti Limited

for an invention relating to "data processing apparatus".

The patent ceased on the 16th March 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5th May 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 7th September 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162118 granted to Rudy Melvin Bowers

for an invention relating to "rod coupling for oil well sucker rods and the like".

The patent ceased on the 30th April 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5th May 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 7th September 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163552 granted to Shriram Institute for Industrial Research for an invention relating to "a process for polymerization of olefinic monomers such as vinyl halides".

The patent ceased on the 13th December 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was noticed in the Gazette of India, Part III, Section 2, dated the 5th May 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 7th September 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158914 granted to Chief Controller, Research & Development

for an invention relating to "a gas generating composition and a process for preparing the same".

The patent ceased on the 16th April 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 5th May 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 on or before the 7th September 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

### स्वीकृत सम्पूर्ण विनिरेश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध साथेदारों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर साथेदात एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को पेसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित अक्षय, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित हसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिरेश के संबंध में नीचे दिए वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिरेशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शक्ति राय शेह, कलाकाश में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिरेश का मूल्य 2/- / रु० है। (यदि भारत के बाहर में जाए तो उत्तिरिक्त टाक छाड़ी)। मुद्रित विनिरेशों की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिरेशों की संख्या संज्ञान रद्दी चाहिए।

रूपांकन (वित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिरेशों की टकित अथवा फोटो प्रतियाँ की आपूर्ति पेटेंट कार्यालय, कलाकाश द्वारा

विहित लिप्यान्तरण प्रमार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरात उसकी अदायगी पर की जा सकती है। विनिरेश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिरेश के सामने नीचे वर्णित वित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (व्योमिक प्रत्येक पृष्ठ का लिप्यान्तरण प्रमार 4/- रु० है (फोटो लिप्यान्तरण प्रमार का परिकलन किया जा सकता है।

CLASS : 40 B.

166701

Int. Class : B 01 J 23/76.

**A PROCESS FOR THE MANUFACTURE OF KETONISATION CATALYST FOR THE CONVERSION OF ETHYL ALCOHOL TO ACETONE.**

Applicant : PROJECTS & DEVELOPMENT INDIA LIMITED, P.O. SINDRI, DHANBAD, BIHAR, INDIA

Inventors : 1. DR. RAM BEHARI AWASTHI, 2. ANIRUDHA LAL AGARWAL, 3. SURJA RAMARAO NAIDU, 4. NILANSHU CHANDRA GANGULI

Application No. 886/Cal/1986 filed December 5, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

An improved process for the manufacture of a Ketonisation catalyst for the conversion of ethyl alcohol to acetone which comprises reacting iron sulphate preferably ferrous sulphate with alkali carbonate such as sodium carbonate and converting the precipitated material into a dry cake by air drying to produce iron oxide, thereafter mixing the iron oxide with (i) about equal amount of calcium carbonate and (ii) 4.5 to 5.0 times by weight of zinc oxide, followed by ball milling the said mixture, thereafter combining the ball milling the said mixture, thereafter combining agent such as organic acid preferably acetic acid and forming the mix into desired shape.

Compl. specn. 9 pages

Drgs. Nil.

CLASS : 40 A1

166702

Int. Class : C 01 B 3/02.

**DEVICE FOR USE IN A PROCESS FOR THE MANUFACTURE OF A PRODUCT GAS CONTAINING HYDROGEN AND CARBON OXIDE.**

Applicant : UHDE GMBH, OF FRIEDRICHUHDESTR 15,4600 DORTMUND 1, FEDERAL REPUBLIC OF GERMANY.

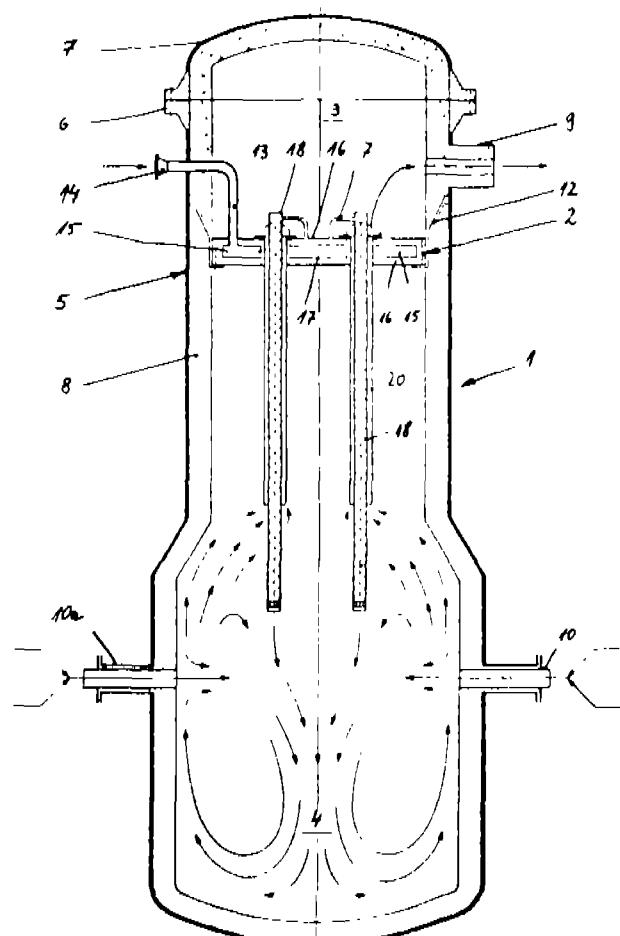
Inventor : HANSDIETER MARSCH.

Application No. : 889/C/1986. filed December 8, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 8 Claims

Device for use in a process for the manufacture of a product gas containing hydrogen and carbon oxide from a feed-gas mixture consisting substantially of hydrocarbons, particularly from natural gas mixed with steam, said device being partitioned by a tubesheet into an upper and a lower chamber, reformer tubes being held by the tubesheet and extending into the lower chamber where such tube is provided with a jacket over part of its length, characterized in that the tubesheet (2) is designed to serve as distribution chamber for admitting the feedgas mixture to the reformer tubes (18) the tubesheet (2) consisting of two nested hollow bodies (15), (16) interconnected for receiving the feedgas mixture.



Drgs. 3 sheets

Applicant : SONEX RESEARCH INCUS CORPORATION, 13  
HUDSON STREET, ANNAPOLIS, MARYLAND 20701  
UNITED STATES OF AMERICA.

Inventor : POURING ANDREW ALEXANDER.

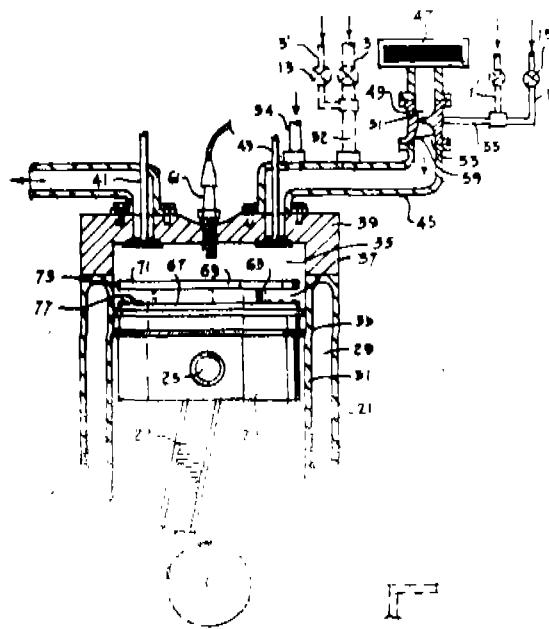
Application No. 891/Cal/1986 filed December 8, 1986

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 14 Claims

A method for disposing of halogenated hydrocarbon compound, in a piston type internal combustion engine which comprises

- (a) introducing a mixture comprised of at least one halogenated hydrocarbon compound and a sufficient amount of air to provide an oxidizable vapor phase mixture into a combustion chamber of a piston type internal combustion engine, said combustion chamber having a variable volume primary chamber and a fixed volume secondary chamber communicating with said variable volume primary chamber through a passageway therebetween and said fixed volume secondary chamber containing a source of carbon therein.
- (b) Compressing and heating said vapor phase mixture by reducing the volume of said variable volume primary chamber;
- (c) igniting and burning the vapor phase mixture in said combustion chamber and
- (d) discharging the combustion reaction products from said combustion chamber and optionally (c) separating and recovering hydrohalic acid from the combustion reaction products from the combustion chamber.



Int. Class : B 03 B 3/00, B 03 D 1/00 &amp; 3/00.

166704

9 Claims

**AN IMPROVEMENT IN A MULTISTAGE ARRANGEMENT FOR COUNTERCURRENT WASHING OF SUSPENDED SOLID PARTICLES.**

Applicant : (1) AMBERGER KACLINWERKE GMBH, OF GEORG SCHIFFER STR. 70, D-8452 HIRSCHAU, FEDERAL REPUBLIC OF GERMANY. & (2) DYNAMIT NOBEL AG, OF KAISERSTR. 1, D-5210 TROISDORF, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) ANTON SCHOENGEN, (2) JOHANN HEINRICH SCHROEDER, (3) JORG PORSCHEN, (4) FRIEDRICH DONHAUSER.

Application No. : 926/Cal/1986 filed December 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

An improvement in a multistage arrangement for counter-current washing of suspended solid particles, preferably crystals, with the help of hydro-cyclones, connected in series or with the help of groups of several hydrocyclones, connected in parallel to one another (both the systems are termed in the following as "Hydrocyclone group", for the sake of simplicity), as well as accompanying pumps and sumps and pipe lines for joining the above-mentioned components, in which, the washing liquid is conveyed in a direction in a counter-current manner, i.e. in a direction which is opposite to the direction of the flow of the suspended solid particles and in which the suspended solid particles are treated by subjecting them to increased pressure and temperature, where the groups of hydrocyclones (9a to 9f) and the sumps (4 to 4f) with the pumps projecting into them, are accommodated in a common, pressure-resistant and heat-insulated i.e. thermally insulated, container (18), according to the patent or patent-application 165564 the improvement which the essential components or regions zones of the pipe-lines, being provided outside the pressure-resistant and thermally insulated (heat-insulated) container (18) and being thermally insulated and/or heated by a separate source.

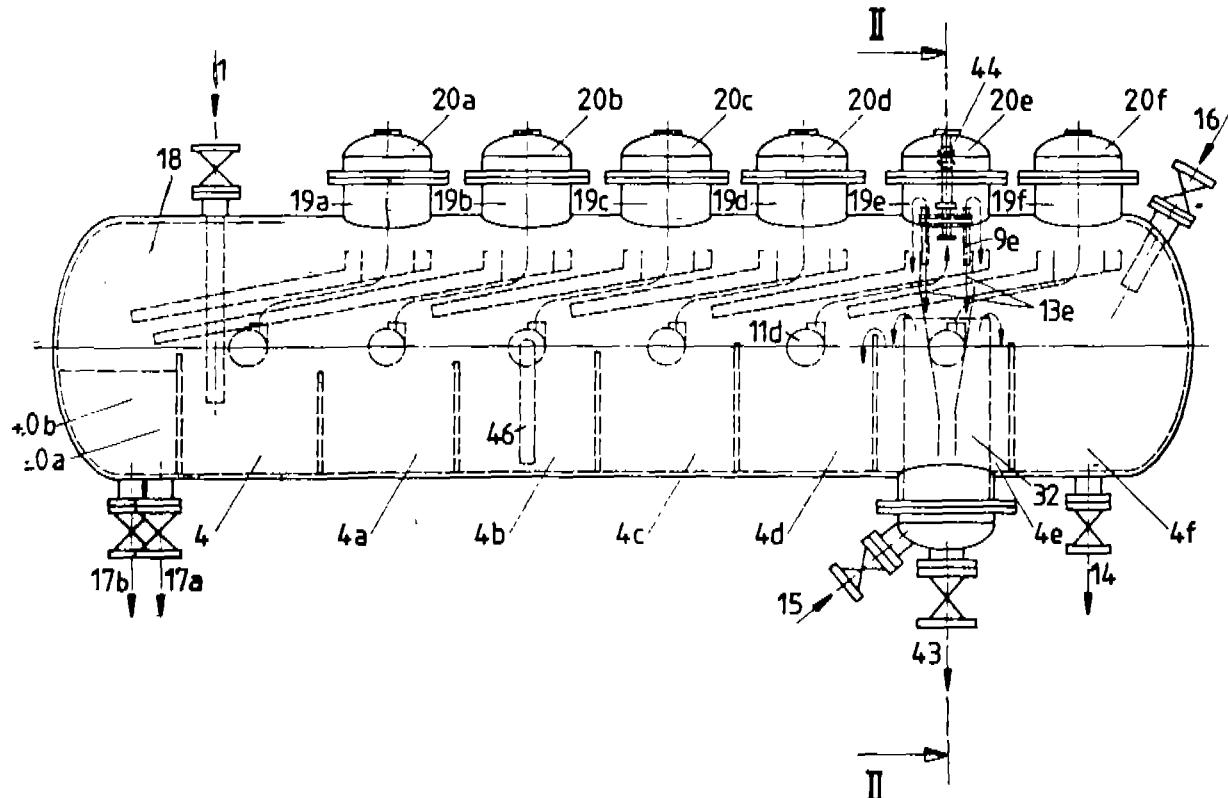


Fig. 1  
Compl. specn. 22

Drgs. 4 sheets

Int. Class : F 16 K 51/00.

166705

Inventors : 1. BREIN KLAUS & 2. HEINZ JURGEN RUCKERT.

**A SHUT OFF BUTTERFLY VALVE**

Applicant : KLEIN, SCHANZLIN & BECKER AKTIEN-GESELLSCHAFT OF POSTFACH 225, JOHANN-KLEIN-STRASSE 9, D-6710, FRANKENTHAL (PFLAZ), FEDERAL REPUBLIC OF GERMANY.

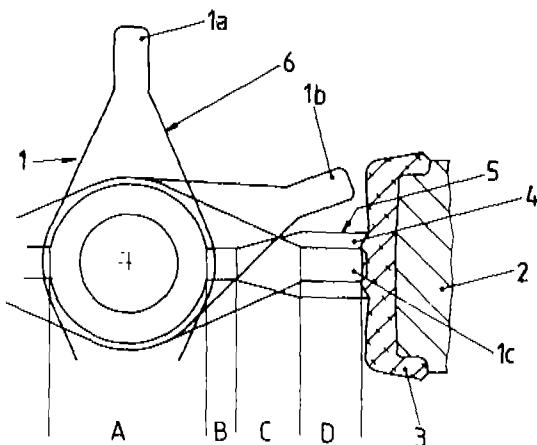
Application No. 14/Cal/1987, filed January 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 3 Claims

A shut off butterfly valve comprising :

- a valve housing (2).
- a peripherally extending elastomer seal (3) arranged in the housing (2).
- a butterfly valve member (1) including trunnions by which it is centrally mounted in the housing, said seal (3) being formed with a bead (4) for the production of a sealing effect by cooperation with an edge (8 and 9) of the butterfly valve member (1) said bead having a form varying in the peripheral direction thereof, characterized in that
- the sealing surface (8 and 9) off the butterfly valve member (1) forms a section of a spherical surface,
- adjacent to the trunnions (7) part-spherical means (8) are provided cooperating with annular beads fitted around the trunnions to provide a continuous sealing action, said part-spherical parts (8) tapering to an edge (9),
- said edge (9) being able to plunge into the bead (4) adjacent to it,
- Whereas the parts, cooperating with the tapering part spherical means (8) of the butterfly valve member (1), of the bead (4) come into sealing engagement with a respectively broader sealing surface (8) of the butterfly valve member (1), such parts of the bead (4) serving to provide for a transition between the annular bead sections (A) adjacent to the trunnions (7) and the bead section (D) designed for the insertion of the butterfly valve member (1) thereinto.



CLASS : 63-I.

166708

Int. Cl. : H 02 k 57/00.

**AN INSTALLATION FOR GENERATING ELECTRICITY WITH A GAS TURBINE GENERATOR SYSTEMS.**

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) DAVID HORACE ARCHER, (2) MOHAMMED MUSHTAQ AHMED.

Application No. 57/Cal/1987 filed January 19, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 1 Claim

An installation for generating electricity with a gas turbine

generator system consisting of a compression unit and a combustion unit; the said system using a gaseous fuel having a low BTU value produced in a gasifier, the discharge of hot exhaust gases therefrom being divided in an expansion unit to operate a generator for the production of electric energies; the said compression unit generating compressed air of which a portion is bled from the system so as to prevent surges in said compression unit by limiting the flow of combustion gases to said expansion unit; wherein the said installation comprises a heat exchanger for heating the air charged to said compression unit to increase the absolute temperature thereof by 5 to 30 percent above ambient temperature using the expanded hot combustion gases from said expansion unit so as to reduce the volume of air from said compression unit that is bled from the system, said expansion unit being connected to a boiler for passing the combustion gases into the boiler prior to feeding said combustion gases into the heat exchanger, a steam turbine connected to the boiler for receiving steam from the boiler, said compression unit being coupled to said combustion unit for passing a first portion of air thereto and also coupled to a booster compression unit through which a second portion of the air is passed and fed to said gasifier.

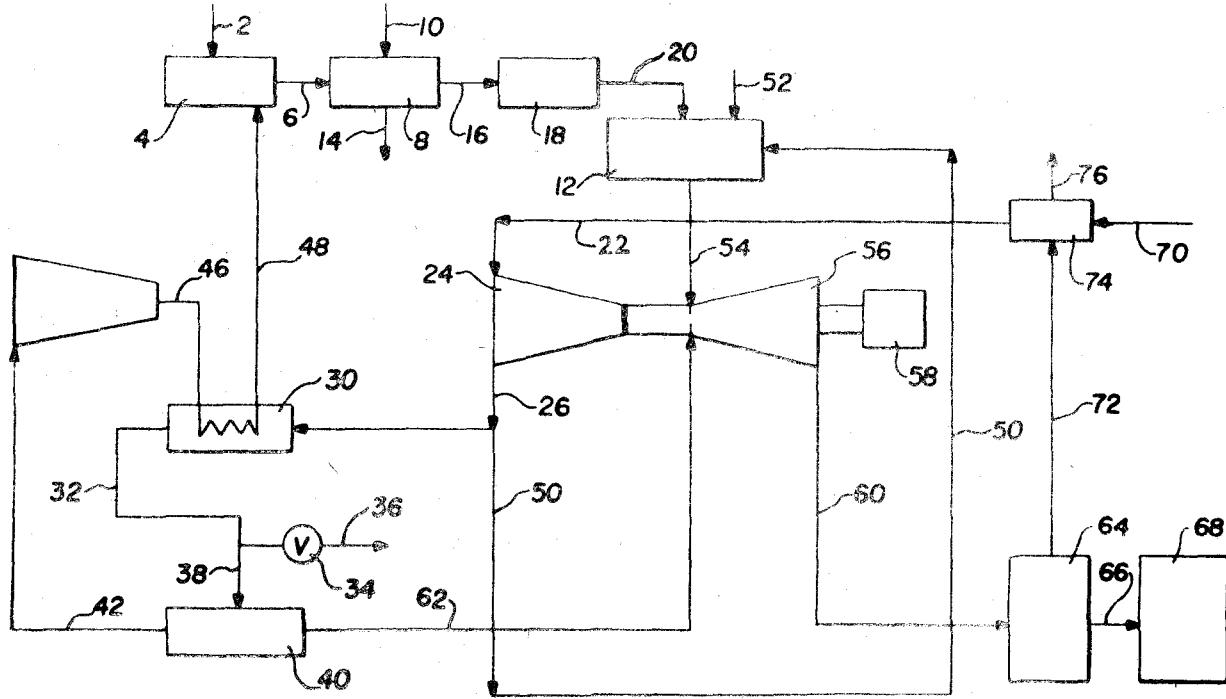


Fig. 1

Compl. specn. 13 pages

Drg. 1 sheets

CLASS : 206-E.

166709

Complete Specification left on 8th July, 1987.

Applicant : SHRI KAMALESH DEKA, WHITE HOUSE, CHENIKUTHI, GUWAHATI-781003, ASSAM, INDIA.

Inventor : SHRI KAMALESH DEKA.

Application No. 82/Cal/1987 filed January 28, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

A receiver for receiving a radio frequency wave signal, comprising a radio frequency receiver for receiving a radio frequency wave signal, a rectifier for rectifying the radio frequency wave signal, a pulse counter for counting the number of pulses of the radio frequency wave signal, a digital-to-analog converter for converting the count of the pulse counter into an analog signal, a low pass filter for filtering the analog signal, a voltage-controlled oscillator for generating a carrier signal, wherein said signal is rectified and then detected to obtain digital pulses corresponding to the 'dots' and 'dah's of said received signal, and a solid state switch means, at least one audio frequency generator and at least one radio frequency transmitter, connected in an exemplary manner as in Fig. 3 of the accompanying drawings,

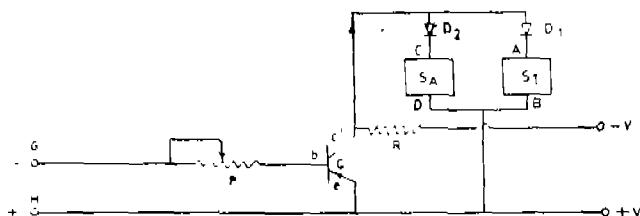


Fig. 3

so that said at least one audio frequency generator and said at least one radio frequency transmitter are actuated by said DC pulses through said solid state switch means.

Compl. specn. 10 pages  
Prov. specn. 2 pages

Drgs. 1 sheets  
Drgs. Nil

Int. Cl. : H 05 h 15/00

166710

## PLASMA JET IGNITION APPARATUS.

Applicant : CUMMINS ENGINE COMPANY, INC., OF BOX 3005, COLUMBUS, INDIANA 47202-3005, UNITED STATES OF AMERICA.

Inventor : LUIGI TOZZI.

Application No. 129/Cal/87 filed February 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A plasma ignition apparatus designed for generating plasma and for propelling said plasma from said ignition apparatus, said ignition apparatus comprising :

means defining a cavity;

a solid plasma medium insert disposed within said cavity;

electrical energy discharge means for generating a low energy electrical discharge in the vicinity of said solid plasma medium insert and for transforming a portion of said solid plasma medium insert into generated plasma radicals within said cavity; and

magnetic field generation means designed and arranged to establish a magnetic field within said cavity, said magnetic field coaxing with said generated plasma radicals and creating a propelling force on said generated plasma radicals to move said generated plasma radicals out of said cavity, the generation of said magnetic field being established independently of the current and voltage level of said electrical energy discharge.

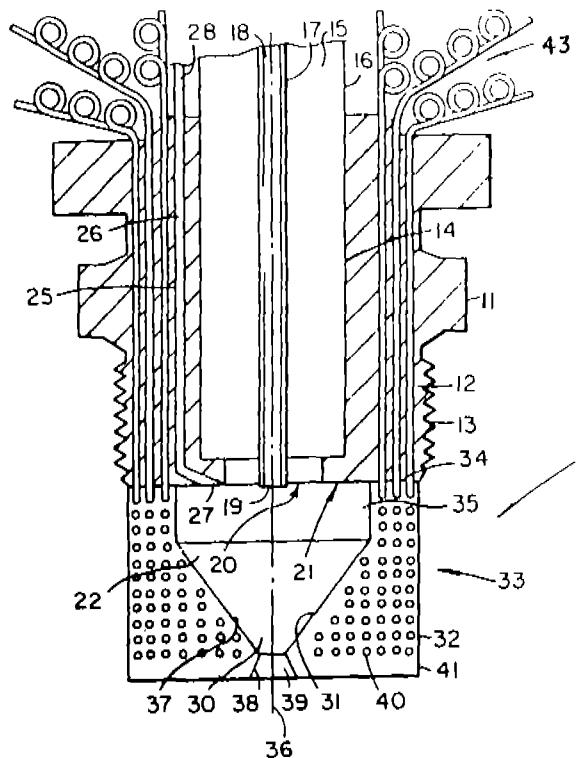


Fig. 1

Compl. specn. 28 pages  
Drgs. 2 sheets

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 161670. Microwinelectronix Ltd. of 147 Zone-I, Maharanapratap Nagar, Bhopal-462011, M.P. India, an Indian Company. "Hot cum cooking oven". December 4, 1989.
- Class 1. No. 161693, & 161694. Richard D. Bohannan, American, Eriksberg 4038, S-777 00 Smedjebacken, Sweden and Reinar Schmid, a Danish of Gonäs, S-771 00 Ludvika, Sweden. "Indexable insert for thread cutting and slotting". December 12, 1989.
- Class 3. No. 161682. Penonfer Marketing Pvt. Ltd. of G-20, "Everest", 156, Tardeo Road, Bombay-400034, Maharashtra, India. "Top Rail". December 8, 1989.
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